## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref# | Hits | Search Query  | DBs                       | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---------------------------|---------------------|---------|---------------------|
| L1   | 4    | ((''6508936'') or<br>(''6099733'') or<br>(''5690829'') or<br>(''4176057'')).PN.                           | USPAT; USOCR              | OR                  | OFF     | 2010/10/04<br>09:59 |
| L2   | 9    | ("3502211"  <br>"3505215"  <br>"4629548"  <br>"4936997"  <br>"5047154"  <br>"5147552"  <br>"5364534").PN. | US-PGPUB;<br>USPAT; USOCR | OR                  | ON      | 2010/10/04<br>10:11 |
| L3   | 11   | (''5690829'').URPN.   | USPAT                     | OR                  | ON      | 2010/10/04<br>10:12 |

| L4 | 596 | (crystallizer or crystallizing) and membrane same (backwash\$3 or reverse or backflush \$3)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                | OR | ON | 2010/10/04<br>11:04 |
|----|-----|--|---|----|----|---------------------|
| L5 | 45  | precipitat\$3 same<br>salt and membrane<br>same (backwash\$3 or  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/10/04<br>11:05 |
| L6 | 23  | (crystallizer or crystallizing) same precipitat\$3 same salt same (concentrate \$3 or retentate) and membrane same (backwash\$3 or reverse or backflush \$3) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/10/04<br>11:06 |

| L7  | 48 | (crystallizer or crystallizing) same precipitat\$3 same (concentrate\$3 or retentate) and membrane same (backwash\$3 or reverse or backflush \$3) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/10/04<br>11:09 |
|-----|----|---|---|----|----|---------------------|
| L8  | 25 | 7 not 6   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                | OR | ON | 2010/10/04<br>11:09 |
| L9  | 4  | (''4175100''  <br>''4634532''  <br>''4956157''  <br>''5685980'').PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2010/10/04<br>11:16 |
| L10 | 1  | (''6036867'').URPN.   | USPAT   | OR | ON | 2010/10/04<br>11:17 |

| L11 | 10 | (crystallizer or crystallizing) same (fluid\$4 adj bed) same seed\$3 and membrane same (backwash\$3 or reverse or backflush \$3) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/10/04<br>11:19 |
|-----|----|--|---|----|----|---------------------|
| L12 | 52 | (crystallizer or<br>crystallizing) same<br>(fluid\$4 adj bed)<br>same seed\$3 and<br>membrane                                    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                | OR | ON | 2010/10/04<br>11:20 |
| L13 | 4  | (crystallizer or crystallizing) same (fluid\$4 adj bed) same seed\$3 and ''210''/\$5.ccls.                                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                | OR | ON | 2010/10/04<br>11:21 |

| L14 | 10   | (crystallizer or<br>crystallizing) same<br>(membrane with<br>barrier)                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/04<br>11:26 |
|-----|------|---|--|----|----|---------------------|
| L15 | 12   | (crystallizer or<br>crystallizing) same<br>((membrane or<br>diaphragm) with<br>barrier) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/04<br>11:27 |
| L16 | 1113 | (crystallizer or<br>crystallizing) same<br>(membrane or<br>diaphragm)                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/04<br>11:28 |
| L17 | 73   | (crystallizer or crystallizing) same (membrane or diaphragm) and "210"/\$5.ccls.        | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/04<br>11:28 |

| L18 | 2716 | membrane same flow<br>near3 revers\$3                                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                | OR | ON | 2010/10/04<br>11:33 |
|-----|------|---|---|----|----|---------------------|
| L19 | 773  | membrane same flow<br>near3 revers\$3 and<br>membrane with<br>osmosis | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/10/04<br>11:34 |
| L20 | 168  | membrane same flow<br>near3 revers\$3 and<br>210/636,321.69.ccls.     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                | OR | ON | 2010/10/04<br>11:34 |
| L21 | 118  | membrane same flow<br>near revers\$3 and<br>210/636,321.69.ccls.      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/10/04<br>11:34 |

| L22 | 5 | membrane same flow    | US-PGPUB;     | OR | ON | 2010/10/04 |
|-----|---|-----------------------|---------------|----|----|------------|
|     |   | near revers\$3 and    | USPAT; USOCR; |    |    | 11:35      |
|     |   | 210/636,321.69.ccls.  | FPRS; EPO;    |    |    |            |
|     |   | and membrane same     | JPO;          |    |    |            |
|     |   | plate with frame with | DERWENT;      |    |    |            |
|     |   | hollow adj fiber      | IBM_TDB       |    |    |            |

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